

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
5 April 2001 (05.04.2001)

PCT

(10) International Publication Number
WO 01/23201 A1(51) International Patent Classification⁷: B60J 5/04

(21) International Application Number: PCT/EP00/09526

(22) International Filing Date:
28 September 2000 (28.09.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
199 46 307.7 28 September 1999 (28.09.1999) DE
199 46 311.5 28 September 1999 (28.09.1999) DE
200 10 204.4 9 June 2000 (09.06.2000) DE

(71) Applicant (for all designated States except US): MERITOR AUTOMOTIVE GMBH [DE/DE]; Hanauer Landstrasse 338, 60314 Frankfurt an Main (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GRIMM, Rainer

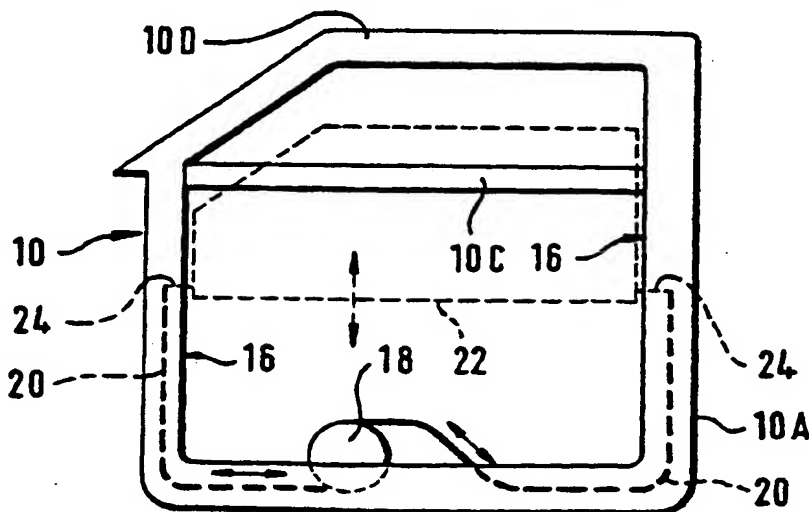
[DE/DE]; Sachsenhäuser Landwehrweg 225, 60599 Frankfurt (DE). KÖLLNER, Harald [DE/DE]; Blütenweg 15, 63674 Altenstadt (DE). STRAUSS, Klaus-Dieter [DE/DE]; Nordendorfsweg 27, 38110 Braunschweig (DE). WURM, Georg [DE/DE]; Usinger Weg 38b, 61350 Bad Homburg (DE). DREWNICK, Daniel [DE/DE]; Rodheimer Strasse 11, 60385 Frankfurt am Main (DE). HERWIG, Arnd, G. [DE/DE]; Röderweg 24, 96148 Baunbach (DE). HOF, Patrick [DE/DE]; Eichgarten 14, 35043 Marburg (DE). DOBSON, Simon, Blair [GB/GB]; 5 the Corniche, Sandgate, Folkestone, Kent CT20 3TA (GB). KEYES, Gregory [GB/GB]; 28 Inverclyde Road, Handsworth Wood, Birmingham B20 2LJ (GB). SCHANG, Kenneth, W. [US/US]; 46131 Academy, Plymouth, MI 48170 (US).

(74) Agent: KÖNIG PALGEN SCHUMACHER KLUIN; Frühlingstrasse 43A, 45133 Essen (DE).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,

[Continued on next page]

(54) Title: VEHICLE DOOR



(57) Abstract: A vehicle door, consisting of an interior shell and a respective exterior shell defining an interior space of a door on both sides and further contains a frame structure (10). the lateral surfaces of the frame structure (10) are covered by at least one of the interior shell and the respective exterior shell. In order to make this vehicle door comparatively lightweight but rigid while using parts of a window-regulator as structural parts of the vehicle door the frame structure consists at least in part of a profile bar (10A), bent into a U-shape as viewed from the side and opening to the top of the vehicle door. Said profile bar (10A) is provided with guide elements for a window-regulator arrangement.

WO 01/23201 A1



NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

- With international search report.
- Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.